Figure 15 Comparison between experimental (symbols) shock tube ignition delay data as investigated by Natarajan and Bhaskaran [2] and the numerical calculations (solid and dashed lines) using the chemical kinetic model. Experimental conditions: 4.0% C_2H_5OH, 6.0% O_2, and 90% Argon (equivalence ratio = 2.0), and 1.0 ± 0.2 and 2.0 ± 0.2 atm.